

Purchase Order Receipt Listing

Wednesday, February 15, 2017 3:23:40 PM

All amounts are calculated in domestic currency.

Page 1 of 1

All Vendors PO ID PO35245 Receipt Dates from 2/15/2017 to 2/15/2017
 All Item ID/GL/WOs All Rec. Employees All Currencies
 Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
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VendorID	Vendor Name	Item	UoM	Unit Price	Quantity	Line Total
PO35245	1	M304TR0.500W.035 f				
USD	No	304 RD Tube .500 x f				
		.035W				
		ml136857				

Total Received Quantity:	40.0000
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	0.0000
Total Balance Due Quantity:	0.0000



O'Neal High-Performance Metals Group



Packing
Slip

ORDER NO.: 80835360 FROM: CHIC PAGE 1

CUST NUMBER: 1203820 NET WGT: 6.950 REQ. DATE: 02/15/17 CONFIRMED
 SOLD TO:
 DART AEROSPACE LTD
 1270 ABERDEEN ST
 HAWKESBURY ON
 CANADA CN K6A 1K7
 SHIP TO:
 DART AEROSPACE LTD
 1270 ABERDEEN ST
 HAWKESBURY ON
 ONTARIO CANADA CN K6A 1K7

SALESPERSON: DONNA SMALLEY
 TERMS: NET 30 DAYS
 F.O.B.: SHIPPING POINT
 CUST ORD NO.: PO35245
 SHIP BY: 02/10/17
 VIA: COMMON CARRIER
 FREIGHT: PREPAID
 RELEASE NO.:
 RECEIVING PHONE:

LINE ITEM DESCRIPTION
 0001 36449 SMLS CD 304/L A269 1/2 OD X .035 WA ✓ LENGTH
 20' ML

CLN# ORD QTY INVOICE QTY SHIPPED QTY WT
 40.000 FT 40.000 FT 40.000 FT 6.950

** 1 TEST REPORTS REQUIRED **
 ** 1 CERTS REQUIRED **

ECCN: 2B999.g Export License: NLR Expiration Date: 0/00/00
 PO: 49354074 HT: YX1602588 PC: 2 CUSTOMER QTY: UOM
 MLT: CHINA MFG: CHINA SLB/CL:-

BROKERS KUEHNE AND NAGEL LTD

----- PACK INFO -----
 AREA TYPE OF PKG PKGS GRS WEIGHT WIDTH LENGTH HGHT
 YRC CRTN STRAP TO BOARD 1.000 45.000 5.5000 246.0000 4

 1.000 45.000

BY: RR
 RT 000-

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED _____

1

DATE FILLED _____

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE
 PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL
 REVIEW.
<http://www.twmetals.com/invoice-terms.html>



O'Neal High-Performance Metals Group



Packing
Slip

ORDER NO.: 80835360 FROM: CHIC PAGE 2

CUST NUMBER: 1203820	NET WGT: 6.950	REQ. DATE: 02/15/17	CONFIRMED
SOLD TO: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON CANADA	CN K6A 1K7	SHIP TO: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON ONTARIO CANADA	CN K6A 1K7
SALESPERSON: DONNA SMALLEY	SHIP BY: 02/10/17		
TERMS: NET 30 DAYS	235 TUBEWAY		
F.O.B.: SHIPPING POINT	CAROL STREAM	IL 60188	
CUST ORD NO.: PO35245			
VIA: COMMON CARRIER			
FREIGHT: PREPAID			
RELEASE NO.:			
RECEIVING PHONE:			

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material."

Authorized Test Report Clerk _____

Ruth Rogers

Date: 2/10/17

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

MILL TEST REPORT

Purchaser.: TW METALS-Carol Stream		Certificate No.: 2016-12-87			
Contract No.: TWM P.O.No.: M49354074		Date of Issue.: 2016.12.17			
Commodity: Stainless Steel Seamless Tubes		Specifications: ASTM A213-15c/ASME SA213-15/ASTM A269-15a EAW			
Process: Cold Drawn		Delivery Condition: OD Polished to 240 Grit			
Steel Grade	Heat Number	Lot Number	Dimensions		Quantity
					Pieces Feet
TP304/TP304L	YX1602-588	10-40	1/2"x0.035"x20'		500 10,000

Chemical Composition by Weight (%)

Element	C	Mn	P	S	Si	Cr	Ni	Mo	Co
Requirements	≤0.035	≤2.00	≤0.045	≤0.030	≤1.00	18.00-20.00	8.00-12.00	-	-
Ladle Analysis	0.018	1.20	0.034	0.002	0.32	18.15	8.05	-	-
Product Analysis	0.015	1.08	0.036	0.003	0.33	18.52	8.43	-	-

Mechanical Properties

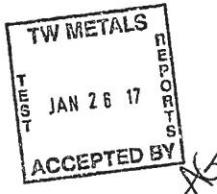
Test Item	Elongation (% in 2")		Tensile Strength (PSI)			Yield Strength (PSI)		
	Rm	Rp / 0.2%	Rp / 0.2%			Rp / 0.2%		
Requirements	≥35		≥75,000			≥30,000		
Test Results	61/62		99,000/100,000			44,000/45,000		
Test Item	Reduction of Area Z (%)	Hardness	Cold Bend Test	Flaring Test	Flattening Test	Flange Test	P.M.I. Test	
Requirements	-	HRB≤80	-	22%	e=0.09	-	-	
Test Results	-	77/79	-	Passed	Passed	-	OK	
Test Item	Eddy Current Test	Air Underwater Pressure Test	Ultrasonic Test	Intergranular Corrosion Test	Macroscopic Inspection			
Requirements	ASTM E 426	-	-	ASTM A262 E	End Cut	Appearance		
Test Results	Passed	-	-	OK	OK	OK		

ISO 9001:2008 Certified by CAS 117 16 QU 0053-06 ROS

PED Certified by SZUTEST 2195-PED-1526002

Additional Remarks:

- (1) All tubes annealed to above 1900 Deg F and water quenched below 800 Deg F in 3 minutes
- (2) All tubes tested per ASTM A1016-14
- (3) Materials is NACE MR0103-2007 compliant (per Section 2.5)
- (4) Materials is NACE MR0175/ISO 15156-2003 compliant (per Section 4.2.1)
- (5) In Compliance with EN 10204-3.1
- (6) In Compliance with RoHS Stipulation
- (7) No weld repair performed
- (8) Free from mercury contamination
- (9) Free from radioactive contamination
- (10) Billets melt and pipes/tubes manufactured in China
- (11) All tubes 100% PMI tested
- (12) All tubes 100% Eddy Current tested

CANNOT CERTIFY COMPLIANCE
FAR BAA / DFARS BAA / FAR TAA

By:

James Shi / Manager

Quality Control Department

We hereby certify that this report is true and correct.

Jiangsu Pufa Stainless Steel Tube Co., Ltd.

No. 99, Xuean Middle Road, Dongchen Town, Rugao City, Jiangsu Province, P.R.China

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 304TR0,500 W .035
 DATE: 17-02-22

PO / BATCH NO.: PO 35245/M 136857

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 404
 QUANTITY INSPECTED: 404
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500 X .035
 THICKNESS RECEIVED: 0.500 X .035
 SHEET SIZE ORDERED: 8
 SHEET SIZE RECEIVED: 8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	YX1602588
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	38	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	<u>38</u> <u>9-88</u> <u>FEB 22 2017</u>	SIGNED OFF BY:
DATE:		DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35245**

Purchase Order Date 2/8/2017

PO Print Date 2/9/2017

Page Number 1 of 5

Order From :

TW METALS
PO BOX 933014
ALTANTA, GA 31193-3014
US

VU-TWM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FEB 08 2017

RECEIVED
FEB 08 2017

Contact Name
Vendor Phone 585 768 5600

Ship To Contact
Ship To Phone
Ship Via: YRC COLLECT
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
			Promise Date				
1	M304TR0.500W.035	304 RD Tube .500 x .035W	2/15/2017 Yes 2/15/2017		40.00 f	\$1.50	\$60.00
2	M304TR0.500W.049	304 RD Tube .500 x .049W	2/15/2017 Yes 2/15/2017		20.00 f	\$2.80	\$56.00
3	M304TR0.750W.049	304 RD Tube .750 x .049W	2/15/2017 Yes 2/15/2017		80.00 f	\$2.10	\$168.00

MATERIAL: AISI 304/316 SA SEAMLESS ROUND TUBING
AS PER ASTM A213 OR AMSE SA213 OR ASTM A269

MATERIAL: AISI 304/316 SA SEAMLESS ROUND TUBING
AS PER ASTM A213 OR AMSE SA213 OR ASTM A269

MATERIAL: AISI 304/316 SA SEAMLESS ROUND TUBING
AS PER ASTM A213 OR AMSE SA213 OR ASTM A269

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35245**

Purchase Order Date 2/8/2017

PO Print Date 2/9/2017

Page Number 2 of 5

Order From :
TW METALS
PO BOX 933014
ALTANTA, GA 31193-3014
US

VU-TWM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 585 768 5600

Ship To Contact
Ship To Phone
Ship Via: YRC COLLECT
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB FCA - (Free Carrier)

						Line Total:	
4	M6061T6T0.375W.058	6061-T6 RD Tube .375 x.058W	2/15/2017	48.00	✓	\$2.15	\$168.00 \$103.20
5	M6061T6T0.625W.125	6061-T6 RD Tube 0.625 X.125W	2/15/2017	24.00	✓	\$5.15	\$103.20 \$123.60

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING
AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR
AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR
ASTM B241

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING
AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR
AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR
ASTM B241

SPOT-02-14 Line Total: \$123.60

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35245**

Purchase Order Date 2/8/2017
PO Print Date 2/9/2017

Page Number 3 of 5

Order From :
TW METALS
PO BOX 933014
ALTANTA, GA 31193-3014
US

VU-TWM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name	Chantal Lavoie		
Vendor Phone	585 768 5600		
Ship To Contact			
Ship To Phone			
Ship Via:	YRC COLLECT		
Ship Acct:			
7 M304TR0.375W.035	304 TUBING .375 x .035w	2/15/2017 Yes 2/15/2017	20.00 f \$3.75 \$75.00
MATERIAL: AISI 304/316 SA SEAMLESS ROUND TUBING AS PER ASTM A213 OR AMSE SA213 OR ASTM A269			
8 M304TR0.375W.065	304 RD Tube .375 x .065W	2/15/2017 Yes 2/15/2017	20.00 f \$1.86 \$37.21
MATERIAL: AISI 304/316 SA SEAMLESS ROUND TUBING AS PER ASTM A213 OR AMSE SA213 OR ASTM A269			
9 M4130NT0.500W.049	4130 RD Tube .500 x.049W	2/15/2017 Yes 2/15/2017	20.00 f \$3.88 \$77.67
MATERIAL: AISI 4130N SEAMLESS STEEL TUBING AS PER MIL-T-6736 OR AMS 6371/6360/6361 6362/6373/6374			

Note:

20170214



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35245**

Purchase Order Date 2/8/2017

PO Print Date 2/9/2017

Page Number 4 of 5

Order From :

TW METALS
PO BOX 933014
ALTANTA, GA 31193-3014
US

VU-TWM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 585 768 5600

Buyer Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency USD

FOB FCA - (Free Carrier)

Ship To Contact
Ship To Phone
Ship Via: YRC COLLECT
Ship Acct:

10 M4130NT1.000W.120

4130 RD Tube 1.00 x
.120wall

2/15/2017

20.00

Line Total:

\$77.67

Yes
2/15/2017

\$2.89

\$57.72

60.36

Rec'd 2/17

MATERIAL: AISI 4130N SEAMLESS STEEL TUBING
AS PER MIL-T-6736 OR AMS 6371/6360/6374
6362/6373/6374

11 71401-45

PROCUREMENT
QUALITY CLAUSES

2/15/2017

1.00

Line Total:

\$57.72

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

No

2/15/2017

\$0.00

\$0.00

SP17 02-14

Note:



Dart Aerospace Ltd.
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Hawkesbury, ON K6A 1K7
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PURCHASE ORDER

Purchase Order ID **PO35245**

Purchase Order Date 2/8/2017

PO Print Date 2/9/2017

Page Number 5 of 5

Order From :

TW METALS
PO BOX 933014
ALTANTA, GA 31193-3014
US

VU-TWM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name	
Vendor Phone	585 768 5600
Ship To Contact	
Ship To Phone	
Ship Via:	YRC COLLECT
Ship Acct:	

Buyer	Chantal Lavoie
Customer POID	
Customer Tax #	10127-2607
Terms	Net 30
Currency	USD
FOB	FCA - (Free Carrier)

Line Total: \$0.00

PO Total: \$758.40

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 2/9/2017